Index to Volume 39

Authors and Titles

Ahsanullah, M., Mobley, M. C., and Rankin, P.
Individual and combined effects of zinc, cadmium and copper on the marine amphipod *Allorchestes compressa* 33
Anderson, D. T. *See* Hadfield, A. J.
Andrew, J. *See* Davies, P. E.
Andrijanic, S.
Geographical distribution of living planktonic Foraminifera (Protozoa) off the east coast of Australia 71
Atherton, J. G. *See* Doubrovsky, A.

Beer, T. *See* Hart, B. T.
Beinssen, K. H. *See* McShane, P. E.
Bell, J. D. *See* Burchmore, J. J.
Bellwood, D. R. *See* Clements, K. D.
See also Perez, O. S.
Bindoff, N. L. *See* Mulhearn, P. J.
Boon, P. I., and Cain, S.
Nitrogen cycling in salt-marsh and mangrove sediments at Western Port, Victoria 607
Bowling, L. C.
Optical properties, nutrients and phytoplankton of freshwater coastal dune lakes in south-east Queensland 805
Bunn, S. E.
Life histories of some benthic invertebrates from streams of the northern jarrah forest, Western Australia 785
Burchmore, J. J., Pollard, D. A. Middleton, M. J., Bell, J. D., and Pease, B. C.
Biology of four species of whiting (Pisces : Sillaginidae) in Botany Bay, New South Wales 709

Cain, S. *See* Boon, P. I.
Cameron, D. E., Garland, C. D., Lewis, T. E., and Machin, P. J.
A survey of Vibrionaceae in Tasmanian coastal waters, with special reference to bacterial species pathogenic to fish or shellfish 145
Campbell, G. R. *See* Rose, R. A.
Chambers, J. M. *See* Wrigley, T. J.
Chapman, H. F., Kitching, R. L., and Hughes, J. M.
Behavioural responses of *Polinices incei* (Gastropoda : Naticidae) to diesel oil contamination in sediments 435
Cheshire, N. G. *See* Dunlop, J. N.
Church, J. A., *See* Huyer, A.

Clements, K. D., and Bellwood, D. R.
A comparison of the feeding mechanisms of two herbivorous labroid fishes, the temperate *Odax pullus* and the tropical *Scarus rubroviolaceus* 87
Cosser, P. R.
Macroinvertebrate community structure and chemistry of an organically polluted creek in south-east Queensland 671
Courtney, A. J., and Dredge, M. C. L.
Female reproductive biology and spawning periodicity of two species of king prawns, *Penaeus longistylus* Kubo and *latisulcatus* Kishinouye, from Queensland's east coast fishery 729
Crowley, L. E. L. M. *See* Pavlov, A.
Currie, B. R., and Johns, R. B.
Lipids as indicators of the origin of organic matter in fine marine particulate matter 371

Davenport, S., and Stevens, J. D.
Age and growth of two commercially important sharks (*Carcharhinus tilstoni* and *C. sorrah*) from northern Australia 417
Davies, P. E., Sloane, R. D., and Andrew, J.
Effects of hydrological change and the cessation of stocking on a stream population of *Salmo trutta* L. 337
Davis, T. L. O. *See* McLoughlin, R. J.
Day, G. *See* Hart, B. T.
deBoer, E. S. *See* Maller, R. A.
Doubrovsky, A., Paynter, J. L., Sambhi, S. K., Atherton, J. G., and Lester, R. J. G.
Observations on the ultrastructure of baculovirus in Australian *Penaeus monodon* and *Penaeus merguiensis* 743
Dredge, M. C. L. *See* Courtney, A. J.
Duivenvoorden, L. J. *See* Hawkins, P. R.
Dunlop, J. N., Wooller, R. D., and Cheshire, N. G.
Distribution and abundance of marine birds in the eastern Indian Ocean 661

Ferguson, I. J. *See* Mulhearn, P. J.
Filloux, J. H. *See* Mulhearn, P. J.
Fisk, D. A. *See* Harriott, V. J.
Ford, W. B. *See* Prince, J. D.
Francis, M. P., and Pankhurst, N. W.
Juvenile sex inversion in the New Zealand snapper *Chrysophrys auratus* (Bloch and Schneider, 1801) (Sparidae) 625

Ganf, G. G. *See* Merrick, C. J.
Garland, C. D. *See* Cameron, D. E.
Garrett, R. N. *See* Russell, D. J.
Geddes, M. C.
The role of turbidity in the limnology of Lake Alexandrina, River Murray, South Australia; comparisons between clear and turbid phases 201
Geddes, M. C., Mills, B. J., and Walker, K. F.
Growth in the Australian freshwater crayfish, *Cherax destructor* Clark, under laboratory conditions 555
Gehrke, P. C.
Feeding energetics and angling catches of spangled perch, *Leiopotherapon unicolor* (Günther 1859), (Percoidei : Teraponidae) 569
Acute cardio-respiratory responses of spangled perch, *Leiopotherapon unicolor* (Günther 1859), to sublethal concentrations of zinc, temephos and 2,4-D 767
Glazebrook, J. S. *See* Owens, L.
Grice, A. J., and Lethbridge, R. C.
Reproductive studies on *Patiriella gunnii* (Asteroidea : Asterinidae) in south-western Australia 399
Growns, I. O., and Richardson, A. M. M.
Diet and burrowing habits of the freshwater crayfish, *Parastacoides tasmanicus tasmanicus* Clark (Decapoda : Parastacidae) 525

Hadfield, A. J., and Anderson, D. T.
Reproductive cycles of the bivalve molluscs *Andara trapezia* (Deshayes), *Venerupis crenata* Lamarck and *Anomia descripta* Iredale in the Sydney region 649
Harriott, V. J., and Fisk, D. A.
Recruitment patterns of scleractinian corals: a study of three reefs 409
Harris, J. H.
Demography of Australian bass, *Macquaria novemaculeata* (Perciformes, Percichthyidae), in the Sydney Basin 355
Hart, B. T., Day, G., Sharp-Paul, A., and Beer, T.
Water quality variations during a flood event in the Annan River, North Queensland 225
Hartwick, R. F. *See* Liew, H.-C.
Hawkins, P. R., Taplin, L. E., Duivenvoorden, L. J., and Scott, F.
Limnology of oligotrophic dune lakes at Cape Flattery, North Queensland 535
Holloway, P. E.
Climatology of internal tides at a shelf-break location on the Australian North West Shelf 1
Physical oceanography of the Exmouth Plateau region, north-western Australia 589
Horwitz, P.
Sea-level fluctuations and the distributions of some freshwater crayfishes of the genus *Engaeus* (Decapoda; Parastacidae) in the Bass Strait area 497
Howard, R. K.
Fish predators of the western rock lobster (*Panulirus cygnus* George) in a nearshore nursery habitat 307
Hughes, J. M. *See* Chapman, H. F.
Huyer, A., Smith, R. L., Stabeno, P. J., Church, J. A., and White, N. J.
Currents off south-eastern Australia: results from the Australian Coastal Experiment 245

Ivantsoff, W. *See* Pavlov, A.

Jernakoff, P., and Phillips, B. F.
Effect of a baited trap on the foraging movements of juvenile western rock lobsters, *Panulirus cygnus* George 185
Johns, R. B. *See* Currie, B. R.
Jones, A. R.
Corrigendum to: Temporal patterns in the macrobenthic communities of the Hawkesbury estuary, New South Wales [Vol. 38, No. 5] 685
Jones, G. B., and Thomas, F. G.
Effect of terrestrial and marine humics on copper speciation in an esturary in the Great Barrier Reef Lagoon 19

Kitching, R. L. *See* Chapman, H. F.
Klomp, N. I., and Wooller, R. D.
Diet of little penguins, *Eudyptula minor*, from Penguin Island, Western Australia 633

Last, P. R. *See* Pavlov, A.
Lester, R. J. G. *See* Doubrovsky, A.
Lethbridge, R. C. *See* Grice, A. J.
Lewis, T. E. *See* Cameron, D. E.
Liew, H.-C., Milward, N. E., and Hartwick, R. F.
Descriptions of larval flatfishes of the genera *Psettodes* (Psettodidae) and *Pseudorhombus* (Paralichthyidae) from the Great Barrier Reef, Australia 51
Lilley, F. E. M. *See* Mulhearn, P. J.

MacDonald, C. M.
Genetic variation, breeding structure and taxonomic status of the gummy shark *Mustelus antarcticus* in southern Australian waters 641
Machin, P. J. *See* Cameron, D. E.

Mackey, D. J., and Szymczak, R.
Seasonal variations in the copper complexing capacity of Port Hacking 125
Maller, R. A., and deBoer, E. S.
An analysis of two methods of fitting the von Bertalanffy curve to capture–recapture data 459
Marchant, R.
Vertical distribution of benthic invertebrates in the bed of the Thomson River, Victoria 775
McComb, A. J. *See* Wrigley, T. J.
McLoughlin, R. J., Davis, T. L. O., and Ward, T. J.
Sedimentary provinces, and associated bedforms and benthos on the Scott Reef–Rowley Shoals platform off north-west Australia 133
McShane, P. E., and Smith, M. G.
Measuring abundance of juvenile abalone, *Haliotis rubra* Leach (Gastropoda : Haliotidae); comparison of a novel method with two other methods 331
McShane, P. E., Smith, M. G., and Beinssen, K. H. H.
Growth and morphometry in abalone (*Haliotis rubra* Leach) from Victoria 161
Merrick, C. J., and Ganf, G. G.
Effects of zooplankton grazing on phytoplankton communities in Mt Bold Reservoir, South Australia, using enclosures 503
Middleton, M. J. *See* Burchmore, J. J.
Mills, B. J. *See* Greddes, M. C.
Milward, N. E. *See* Liew, H.-C.
Mobley, M. C. *See* Ahsanullah, M.
Mulhearn, P. J., Filloux, J. H., Lilley, F. E. M., Bindoff, N. L., and Ferguson, I. J.
Comparisons between surface, barotropic and abyssal flows during the passage of a warm-core ring 697

Outridge, P. M.
Seasonal and spatial variations in benthic macroinvertebrate communities of Magela Creek, Northern Territory 211
Owens, L., and Glazebrook, J. S.
Microsporidiosis in prawns from northern Australia 301

Pankhurst, N. W. *See* Francis, M. P.
Paynter, J. L. *See* Doubrovsky, A.
Pavlov. A., Ivantsoff, W., Last, P. R., and Crowley, L. E. L. M.
Kestratherina brevirostris, a new genus and species of silverside (Pisces : Atherinidae) with a review of atherinid marine and estuarine genera of southern Australia 385
Pease, B. C. *See* Burchmore, J. J.
Perez, O. S., and Bellwood, D. R.
Ontogenetic changes in the natural diet of the sandy shore crab, *Matuta lunaris* (Forskål) (Brachyura : Calappidae) 193
Phillips, B. F. *See* Jernakoff, P.
Pollard, D. A. *See* Burchmore, J. J.
Pomp, R., and Wilbert, N.
Taxonomic and ecological studies of ciliates from Australian saline soils: colpodids and hymenostomate ciliates 479
Prince, J. D., Sellers, T. L., Ford, W. B., and Talbot, S. R.
A method for ageing the abalone *Haliotis rubra* (Mollusca : Gastropoda) 167

Rainer, S. F. *See* Ward, T. J.
Rankin, P., *See* Ahsanullah, M.
Richardson, A. M. M. *See* Growns, I. O.
Robertson, A. I
Abundance, diet and predators of juvenile banana prawns, *Penaeus merguiensis*, in a tropical mangrove estuary 467
Rose, R. A., Campbell, G. R., and Sanders, S. G.
Larval development of the saucer scallop *Amusium balloti* (Bernardi) (Mollusca : Pectinidae) 153
Russell, D. J., and Garrett, R. N.
Movements of juvenile barramundi, *Lates calcarifer* (Bloch), in north-eastern Queensland 117
Salini, J., and Shaklee, J. B.
Genetic structure of barramundi (*Lates calcarifer*) stocks from northern Australia 317

Sambhi, S. K. *See* Doubrovsky, A.
Sanders, S. G. *See* Rose, R. A.
Scott, F. *See* Hawkins, P. R.
Sellers, T. L. *See* Prince, J. D.
Shaklee, J. B *See* Salini, J.
Sharp-Paul, A. *See* Hart, B. T.
Shepherd, S. A.
Studies on southern Australian abalone (genus *Haliotis*). VIII. Growth of juvenile *H. laevigata* 177
Sloane, R. D. *See* Davies, P. E.
Smith, M. G. *See* McShane, P. E.
Smith, R. L. *See* Huyer, A.
Stabeno, P. J. *See* Huyer, A.
Stevens, J. D. *See* Davenport, S.
Stoddart, J. A.
Coral populations fringing islands: larval connections 109
Szymczak, R., and Waite, T. D.
Generation and decay of hydrogen peroxide in estuarine waters 289
Szymczak, R. *See also* Mackey, D. J.

Talbot, S. R. *See* Prince, J. D.
Taplin, L. E. *See* Hawkins, P. R.
Tate, P. M.
Monthly mean surface thermal structure in the Tasman Sea from satellite imagery, 1979–84 579
Thomas, F. G. *See* Jones, G. B.

Waite, T. D. *See* Szymczak, R.
Walker, K. F. *See* Geddes, M. C.
Walker, T. I.
Mercury concentrations in edible tissues of elasmobranchs, teleosts, crustaceans and molluscs from south-eastern Australian waters 39
Wankowski, J. W. *See* Withell, A. F.
Ward, T. J., and Rainer, S. F.
Decapod crustaceans of the North West Shelf, a tropical continental shelf of north-western Australia 751
Ward, T. J. *See also* McLoughlin, R. J.
White, N. J. *See* Huyer, A.
Wilbert, N. *See* Pomp, R.
Withell, A. F., and Wankowski, J. W.
Estimates of age and growth of ocean perch, *Helicolenus percoides* Richardson, in south-eastern Australian waters 441
Wooller, R. D. *See* Dunlop, J. N.
See also Klomp, N. I.
Wrigley, T. J., Chambers, J. M., and McComb, A. J.
Nutrient and gilvin levels in waters of coastal-plain wetlands in an agricultural area of Western Australia 685